

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 03/04/2019 12:04 PM
Cytometer Baseline: 01/02/2019 10:47 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 72756 **Expiration Date:** 10/31/2019
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123088	-2	1.30	123149	1.29
Blue	F	SSC	125000	123443	-2	2.68	124250	2.66
Blue	E	FITC	16694	16178	-4	3.21	374	22.01
Blue	D	PE	32792	32583	-1	2.23	722	15.94
Blue	B	PerCP-Cy5-5	44451	43753	-2	4.18	1209	22.54
Blue	A	PE-Cy7	33645	33434	-1	6.74	606	46.91
Red	C	APC	47008	46227	-2	2.86	1786	13.54
Red	A	APC-Cy7	32298	31893	-2	2.65	799	14.25
Violet	B	V450	8961	8600	-5	4.52	506	14.76
Violet	A	V500	32726	31306	-5	4.35	763	11.91

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20171	3.82	604	-9	N/A	N/A	Pass
Blue	F	SSC	55897	2.09	574	6	N/A	N/A	Pass
Blue	E	FITC	61	81.19	563	0	0.0170	321	Pass
Blue	D	PE	143	55.98	568	2	0.1334	277	Pass
Blue	B	PerCP-Cy5-5	221	57.93	670	-1	0.0077	126	Pass
Blue	A	PE-Cy7	117	120.46	725	-1	0.0095	32	Pass
Red	C	APC	407	29.22	614	1	0.0186	141	Pass
Red	A	APC-Cy7	196	31.64	585	0	0.0044	782	Pass
Violet	B	V450	85	64.63	479	-7	0.0429	2901	Pass
Violet	A	V500	110	46.97	489	-7	0.0199	2360	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.98	-32.80	1.10
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.46
Red	16.86	13.60 - 20.40	N/A	N/A	29.97	30.21	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9561

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments